

NC/QC/YD/2019-20/W3-BNC -C1

Date: 11-11-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	165 min	Shall not be less than 30 min
2	Final setting time	285 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.12 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.06 mm	Shall not be more than 10 mm
5	Compressive strength 3 days (average of three results)	28.60 N/Sq mm	Shall not be less than 27 N/Sqmm

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For Newzen Consultants Bangalore

Director

NC/QC/YD/2019-20/W3-BNC -PCC1

Date: 11-11-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
		Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	68.20	0 - 20	30- 70
10mm	26.70	0 - 5	10- 35
4.75mm	4.10	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.35	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	87.35	60-95	75-100	85-100	
01.18	74.10	30-70	55-90	75-100	
600.mic	52.05	15-34	35-59	60-79	
300.mic	17.90	5-20	8-30	12-40	
150.mic	6.70	0-10	0-10	0-10	

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For Newzen Consultants Bangalore

Proprietor



NC/QC/YD/2019-20/W3-BNM-C2

Date: 13-11-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements of Rce Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20.

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	160 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.14 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.06 mm	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	28.75 N/Sq mm	Shall not be less than 27 N/Sqmm

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For Newzen Consultants Bangalore
Proprietor



NC/QC/YD/2019-20/W3-BNM-PCC2

Date: 13-11-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
		Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	67.30	0 -20	30- 70
10mm	23.50	0 -5	10- 35
4.75mm	4.70	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

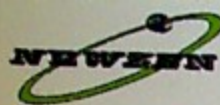
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.45	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	84.90	60-95	75-100	85-100	
01.18	72.10	30-70	55-90	75-100	
600.mic	48.60	15-34	35-59	60-79	
300.mic	19.30	5-20	8-30	12-40	
150.mic	8.10	0-10	0-10	0-10	



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For Newzen Consultants Bangalore

Proprietor



NC/QC/YD/2019-20/W3-BNM-PCC3

Date: 14-11-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

2. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
		Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	65.35	0 -20	30- 70
10mm	26.90	0 -5	10- 35
4.75mm	3.75	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.45	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	85.90	60-95	75-100	85-100	
01.18	75.45	30-70	55-90	75-100	
600.mic	44.25	15-34	35-59	60-79	
300.mic	17.90	5-20	8-30	12-40	
150.mic	8.80	0-10	0-10	0-10	

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For Newzen Consultants Bangalore
Proprietor



NC/QC/YD/2019-20/W3-BNM-CB1

Date: 25-11-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	18-11-19	25-11-19	07	22500	375	16.67	16.74
	002	"	"	"	"	385	17.11	
	003	"	"	"	"	370	16.44	



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For Newzen Consultants Bangalore
Proprietor



NC/QC/YD/2019-20/W3-BNM-CB4

Date: 30-11-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	23-11-19	30-11-19	07	22500	365	16.22	16.15
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	355	15.78	



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For Newzen Consultants Bangalore
Proprietor

NC/QC/YD/2019-20/W3-BNM-CB6

Date: 05-12-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	28-11-19	05-12-19	07	22500	380	16.89	16.89
	002	"	"	"	"	370	16.44	
		"	"	"	"	390	17.33	



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For Newzen Consultants Bangalore
Director



NC/QC/YD/2019-20/W3-BNM-CB1A

Date: 16-12-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	18-11-19	16-12-19	28	22500	505	22.44	22.81
	002	"	"	"	"	525	23.33	
	003	"	"	"	"	510	22.67	

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For Newzen Consultants Bangalore
Proprietor



NC/QC/YD/2019-20/W3-BNM-CB4A

Date: 21-12-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

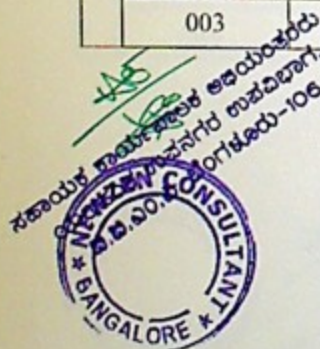
CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	23-12-19	21-12-19	28	22500	510	22.67	22.44
	002	"	"	"	"	505	22.44	
	003	"	"	"	"	500	22.22	



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[Signature]
For Newzen Consultants Bangalore
Proprietor



NC/QC/YD/2019-20/W3-BNM-CB6A

Date: 26-12-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	28-11-19	26-12-19	28	22500	510	22.67	22.67
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	505	22.44	

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For Newzen Consultants Bangalore

Proprietor



NC/QC/YD/2019-20/W3-BNM-CB8

Date: 10-12-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements of Rcc Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₁₅

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	03-12-19	10-12-19	07	22500	300	13.33	13.41
	002	"	"	"	"	295	13.11	
	003	"	"	"	"	310	13.78	



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For Newzen Consultants Bangalore,
[Signature]



NC/QC/YD/2019-20/W3-BNC -K1

Date: 03-12-2019

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.

{Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, f_{cr} in N/sqmm	Characteristic Compressive Strength, f_{ck} in N/sqmm	Avg. Characteristic Compressive Strength f_{ck} in N/sqmm	Remarks
1	001	3.35	22.95	22.83	As per Cl. 6.2.2 of IS 456- 2000, $f_{cr}=0.7\sqrt{f_{ck}}$
2	002	3.29	22.10		
3	003	3.39	23.45		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.49	4.49
2	002	4.38	
3	003	4.61	



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For Newzen Consultants Bangalore
Proprietor



NC/QC/YD/2019-20/W3-BNC -K2

Date: 30-12-2019

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.

{Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic Compressive Strength fck in N/sqmm	Remarks
1	001	3.31	22.40	22.98	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.39	23.45		
3	003	3.36	23.10		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.59	4.64
2	002	4.71	
3	003	4.64	



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Page No. 1/1

For Newzen Consultants Bangalore
Proprietor



NC/QC/YD/2019-20/W3-BNC -K3

Date: 05-12-2019

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
 {Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}
 Ref.: Material testing/PMC/19-20,
 Report Required for: Assistant Executive Engineer,
 Yelahanka Satellite Town Sub Division,
 BBMP, Bangalore.
 Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic Compressive Strength fck in N/sqmm	Remarks
1	001	3.34	22.80	23.01	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.32	22.55		
3	003	3.40	23.70		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.54	4.51
2	002	4.36	
3	003	4.63	



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Page No. 1/1

For Newzen Consultants Bangalore
 Proprietor



NC/QC/YD/2019-20/W3-BNC -K4

Date: 07-12-2019

TEST REPORT**Sub:** Testing of Pre-cast Material-Kerb Stones.

{Project*: Improvements of Rec Drains and CC Roads to Cross Roads at Basavalingappa Layout and Surrounding areas in Ward No.03.}

Ref.: Material testing/PMC/19-20.Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, f_{cr} in N/sqmm	Characteristic Compressive Strength, f_{ck} in N/sqmm	Avg. Characteristic Compressive Strength f_{ck} in N/sqmm	Remarks
1	001	3.33	22.65	23.03	As per Cl. 6.2.2 of IS 456-2000, $f_{cr}=0.7\sqrt{f_{ck}}$
2	002	3.36	23.15		
3	003	3.37	23.30		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.36	4.53
2	002	4.68	
3	003	4.55	



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 07.12.2019

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For Newzen Consultants Bangalore

Director